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PATENT ABSTRACTS OF JAPAN

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(54) EFFICIENT REMOVAL DEVICE FOR SCUM IN CIRCULAR SETTLING BASIN

(57) Abstract:

PROBLEM TO BE SOLVED: To provide an efficient removal device for scum in a circular settling basin capable of more positively collecting and expelling the scum by providing the device with paddles rotating in the direction where the water flow of the direction opposite to the movement of a scum scraper is generated with the rotation of an arm mounted with the scraper as a driving power source.

SOLUTION: This device comprises the scum scraper 8 which is disposed in the circular settling basin 1 so as to be turned by a drive assembly 4, flights 14 for sludge scraping which are hung from this scraper 8 and swivel together with the scum scraper 8 and the paddles 12 which are supported at the arm 6 for mounting the scum scraper 8 and turn so as to generate the water flow in the direction opposite to the water flow direction generated by the scum

scraper 8 with the turning of the arm 6 as the driving source. The scum floating on the water surface is collected while the corotating thereof by the scum scraper 8 is prevented.

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